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LOGINID:sssptal653hxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/Capius enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/Capius enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS EXPRESS	FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:28:56 ON 17 MAR 2008

=> file medline, uspatful, hcaplus,biosis  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.63	0.63

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 15:30:27 ON 17 MAR 2008

FILE 'USPATFULL' ENTERED AT 15:30:27 ON 17 MAR 2008  
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'HCAPLUS' ENTERED AT 15:30:27 ON 17 MAR 2008  
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FILE 'BIOSIS' ENTERED AT 15:30:27 ON 17 MAR 2008  
Copyright (c) 2008 The Thomson Corporation

=> e royer, m/au

E1	11	ROYER YOHAN/AU
E2	1	ROYER YVES/AU
E3	0 -->	ROYER, M/AU
E4	1	ROYERE/AU
E5	1	ROYERE A/AU
E6	3	ROYERE AUDREY/AU
E7	17	ROYERE C/AU
E8	2	ROYERE CHRISTIAN/AU
E9	5	ROYERE CLAUDE/AU
E10	126	ROYERE D/AU
E11	18	ROYERE DOMINIQUE/AU
E12	1	ROYERE G/AU

=> e gabriel, d/au

E1	1	GABRIEL ZDENEK/AU
E2	2	GABRIEL ZEITUNE MOISES/AU
E3	0 -->	GABRIEL, D/AU
E4	2	GABRIELA ABELEDO L/AU
E5	1	GABRIELA ALMEIDA M/AU
E6	2	GABRIELA ALVAREZ M/AU
E7	1	GABRIELA ALVAREZ MARIA/AU
E8	1	GABRIELA ANCA MAIER CAMELIA/AU
E9	1	GABRIELA APOSTOLESU/AU
E10	1	GABRIELA AYALA/AU
E11	1	GABRIELA BADEA E/AU
E12	1	GABRIELA BALLERINI MARIA/AU

=> e frutos, R/au

E1	33	FRUTOS VIVAR FERNANDO/AU
E2	2	FRUTOS XAVIER DE/AU
E3	0 -->	FRUTOS, R/AU

```

E4      46      FRUTOSO J/AU
E5      12      FRUTOSO JEAN/AU
E6      1       FRUTOU JOSEPH S/AU
E7      1       FRUTSAERT GUILLAUME/AU
E8      1       FRUTSCH WILHELM/AU
E9      1       FRUTSCHI/AU
E10     5       FRUTSCHI C/AU
E11     6       FRUTSCHI CORINA/AU
E12     1       FRUTSCHI H/AU

```

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=> e rott, p/au
E1      39      ROTT Z/AU
E2      5       ROTT ZSUZSANNA/AU
E3      0 -->   ROTT, P/AU
E4      15      ROTTA A/AU
E5      17      ROTTA A T/AU
E6      1       ROTTA ADRIANA LYVIO/AU
E7      1       ROTTA AIDA/AU
E8      1       ROTTA ALEX P/AU
E9      35      ROTTA ALEXANDRE T/AU
E10     2       ROTTA ALEXANDRE TELLECHEA/AU
E11     1       ROTTA ALWXANDRE T/AU
E12     2       ROTTA ANDREA/AU

```

```

=> s (albicidin)
L1      114 (ALBICIDIN)

=> s (albicidin-like antibiotic)
L2      1 (ALBICIDIN-LIKE ANTIBIOTIC)

```

```

=> s l1 and l2
L3      1 L1 AND L2

```

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=> d l3 ti abs ibib to
'TO' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

```

The following are valid formats:

The default display format is STD.

```

ABS ----- AB
ALL ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
            RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
            DRWN, AB, GOVI, FARN, SUMM, DRWD, DETD, CLM, INCL,
            INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI,
            IPCI-2, IPCR, EXF, ARTU
ALLG ----- ALL plus PAGE.DRAW
BIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI,
            PRAI, DT, FS, EXNAM, LREP, CLMN, ECL, DRWN, LN.CNT
BIB.EX ----- BIB for original and latest publication
BIBG ----- BIB plus PAGE.DRAW
BROWSE ----- See "HELP BROWSE" or "HELP DISPLAY BROWSE". BROWSE must
               entered on the same line as DISPLAY, e.g., D BROWSE.
CAS ----- OS, CC, SX, ST, IT
CBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PRAI, DT, FS
DALL ----- ALL, delimited for post-processing
FP ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI,
            PRAI, IC, IPCI, IPCI-2, IPCR, INCL, INCLM, INCLS, NCL,
            NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP,
            CLMN, DRWN, AB
FP.EX ----- FP for original and latest publication

```

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FPALL ----- PI, TI, IN, INA, PA, PAA, PAT, PETRM, DCD, AI,
               RLI, PRAI, IC, IPCI, IPCI-2, IPCR, INCL, INCLM, INCLS, NCL, NCLM,
               NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB,
               PARN, SUMM, DRWD, DETD, CLM
FPBIB ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,
               RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN
FHITSTR ---- HIT RN, its text modification, its CA index name, and
               its structure diagram
FPG ----- FP plus PAGE.DRAW
GI ----- PN and page image numbers
HIT ----- All fields containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
               its structure diagram
IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IALLG ----- IALL plus PAGE.DRAW
IBIB ----- BIB, indented with text labels
IBIB.EX ---- IBIB for original and latest publication
IBIBG ----- IBIB plus PAGE.DRAW
IMAX ----- MAX, indented with text labels
IMAX.EX ----- IMAX for original and latest publication
IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR,
               EXF, ARTU, OS, CC, SX, ST, IT
IPC.TAB ---- IPC in tabular format
ISTD ----- STD, indented with text labels
KWIC ----- All hit terms plus 20 words on either side
MAX ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
               RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
               DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
               INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2,
               IPCR, EXF, ARTU OS, CC, SX, ST, IT
MAX.EX ----- MAX for original and latest publication
OCC ----- List of display fields containing hit terms
SBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
               DT, FS, LN.CNT
STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
               DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
               IC, IPCI, IPCI-2, IPCR, EXF (STD is the default)
STD.EX ----- STD for original and latest publication
TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
               IPCI, IPCI-2, IPCR
FREE ----- same as TRIAL
SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR(random display
               without answer number. SCAN must be entered on the
               same line as DISPLAY, e.g., D SCAN)
ENTER DISPLAY FORMAT (STD):end

```

=> d his

(FILE 'HOME' ENTERED AT 15:28:56 ON 17 MAR 2008)

FILE 'MEDLINE, USPATFULL, HCAPLUS, BIOSIS' ENTERED AT 15:30:27 ON 17 MAR 2008

```

                E ROYER, M/AU
                E GABRIEL, D/AU
                E FRUTOS, R/AU
                E ROTT, P/AU
L1              114 S (ALBICIDIN)
L2              1 S (ALBICIDIN-LIKE ANTIBIOTIC)
L3              1 S L1 AND L2

```

=> d 13 ti abs ibib tot

L3 ANSWER 1 OF 1 USPATFULL on STN

TI Complete biosynthetic gene set for synthesis of polyketide antibiotics, including the albicidin family, resistance genes, and uses thereof

AB Three gene clusters that together encode albicidin biosynthesis, the complete gene DNA sequences, and the deduced protein sequences for the enzymes and methods for using the DNA sequences are disclosed and discussed as well as methods for plant protection and creating new antibiotics. The novel Albicidin family of antibiotics is disclosed and their structure deduced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:315205 USPATFULL

TITLE: Complete biosynthetic gene set for synthesis of polyketide antibiotics, including the albicidin family, resistance genes, and uses thereof

INVENTOR(S): Royer, Monique, Montpellier, FRANCE  
Gabriel, Dean W., Gainesville, FL, UNITED STATES  
Frutos, Roger, Saint Georges d'Orques, FRANCE  
Rott, Philippe, Clapiers, FRANCE

PATENT ASSIGNEE(S): University of Florida Research Foundation, Inc.,  
Gainesville, FL, UNITED STATES (U.S. corporation)  
Centre de Cooperation Internationale en Recherche,  
Paris, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006269988	A1	20061130
APPLICATION INFO.:	US 2003-531351	A1	20031017 (10)
	WO 2003-US33142		20031017
			20051003 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-419463P	20021018 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL ASSOCIATION, PO BOX 142950, GAINESVILLE, FL, 32614-2950, US	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1-30	
NUMBER OF DRAWINGS:	13 Drawing Page(s)	
LINE COUNT:	8291	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 15:28:56 ON 17 MAR 2008)

FILE 'MEDLINE, USPATFULL, HCAPLUS, BIOSIS' ENTERED AT 15:30:27 ON 17 MAR 2008

E ROYER, M/AU  
E GABRIEL, D/AU  
E FRUTOS, R/AU  
E ROTT, P/AU

L1 114 S (ALBICIDIN)

L2 1 S (ALBICIDIN-LIKE ANTIBIOTIC)  
L3 1 S L1 AND L2

=> s l1 and (DNA)

L4 93 L1 AND (DNA)

=> s l4 and (encoding protein)

L5 0 L4 AND (ENCODING PROTEIN)

=> s l4 and (constructs)

L6 14 L4 AND (CONSTRUCTS)

=> d l6 ti abs ibib tot

L6 ANSWER 1 OF 14 USPATFULL on SIN

TI Complete biosynthetic gene set for synthesis of polyketide antibiotics, including the albicidin family, resistance genes, and uses thereof

AB Three gene clusters that together encode albicidin biosynthesis, the complete gene DNA sequences, and the deduced protein sequences for the enzymes and methods for using the DNA sequences are disclosed and discussed as well as methods for plant protection and creating new antibiotics. The novel Albicidin family of antibiotics is disclosed and their structure deduced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:315205 USPATFULL

TITLE: Complete biosynthetic gene set for synthesis of

polyketide antibiotics, including the albicidin family, resistance genes, and uses thereof

INVENTOR(S): Royer, Monique, Montpellier, FRANCE

Gabriel, Dean W., Gainesville, FL, UNITED STATES

Frutos, Roger, Saint Georges d'Orques, FRANCE

Rott, Philippe, Clapiers, FRANCE

PATENT ASSIGNEE(S): University of Florida Research Foundation, Inc., Gainesville, FL, UNITED STATES (U.S. corporation)  
Centre de Cooperation Internationale en Recherche, Paris, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006269988	A1	20061130
APPLICATION INFO.:	US 2003-531351	A1	20031017 (10)
	WO 2003-US33142		20031017
			20051003 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-419463P	20021018 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL ASSOCIATION, PO BOX 142950, GAINESVILLE, FL, 32614-2950, US	

NUMBER OF CLAIMS: 21

EXEMPLARY CLAIM: 1-30

NUMBER OF DRAWINGS: 13 Drawing Page(s)

LINE COUNT: 8291

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 14 USPATFULL on SIN

TI Genes identified as required for proliferation in escherichia coli  
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:307044 USPATFULL  
TITLE: Genes identified as required for proliferation in escherichia coli  
INVENTOR(S): Zyskind, Judith, La Jolla, CA, UNITED STATES  
Forsyth, Allyn R., San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004241715	A1	20041202
APPLICATION INFO.:	US 2004-771241	A1	20040203 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-492709, filed on 27 Jan 2000, GRANTED, Pat. No. US 6720139		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-117405P	19990127 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	4248	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 14 USPATFULL on SIN

TI Genes identified as required for proliferation in Escherichia coli  
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:90616 USPATFULL  
TITLE: Genes identified as required for proliferation in Escherichia coli  
INVENTOR(S): Zyskind, Judith, La Jolla, CA, United States

Ohlsen, Kari L., San Diego, CA, United States  
 Trawick, John, La Mesa, CA, United States  
 Forsyth, R. Allyn, San Diego, CA, United States  
 Froelich, Jamie M., San Diego, CA, United States  
 Carr, Grant J., Escondido, CA, United States  
 Yamamoto, Robert T., San Diego, CA, United States  
 Xu, H. Howard, San Diego, CA, United States  
 PATENT ASSIGNEE(S): Elitra Pharmaceuticals, Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6720139	B1	20040413
APPLICATION INFO.:	US 2000-492709		20000127 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-117405P	19990127 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Marschel, Ardin H.	
LEGAL REPRESENTATIVE:	Knobbe Martens Olson & Bear LLP	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	4214	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L6 ANSWER 4 OF 14 USPATFULL on SIN

TI Identification of essential genes in microorganisms  
 AB The sequences of antisense nucleic acids which inhibit the proliferation of prokaryotes are disclosed. Cell-based assays which employ the antisense nucleic acids to identify and develop antibiotics are also disclosed. The antisense nucleic acids can also be used to identify proteins required for proliferation, express these proteins or portions thereof, obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous nucleic acids that are required for proliferation in cells other than *Staphylococcus aureus*, *Salmonella typhimurium*, *Klebsiella pneumoniae*, and *Pseudomonas aeruginosa*. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:38590 USPATFULL  
 TITLE: Identification of essential genes in microorganisms  
 INVENTOR(S): Wang, Liangsu, San Diego, CA, UNITED STATES  
 Zamudio, Carlos, La Jolla, CA, UNITED STATES  
 Malone, Cheryl, Santee, CA, UNITED STATES  
 Haselbeck, Robert, San Diego, CA, UNITED STATES  
 Ohlsen, Kari L., San Diego, CA, UNITED STATES  
 Zyskind, Judith W., La Jolla, CA, UNITED STATES  
 Wall, Daniel, San Diego, CA, UNITED STATES  
 Trawick, John D., La Mesa, CA, UNITED STATES  
 Carr, Grant J., Escondido, CA, UNITED STATES  
 Yamamoto, Robert, San Diego, CA, UNITED STATES  
 Forsyth, R. Allyn, San Diego, CA, UNITED STATES  
 Xu, H. Howard, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004029129	A1	20040212
APPLICATION INFO.:	US 2002-282122	A1	20021025 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2002-US9107	20020321
	US 2002-362699P	20020306 (60)
	US 2001-342923P	20011025 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 106  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 22 Drawing Page(s)  
LINE COUNT: 18605  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 14 USPATFULL on STN  
TI Genes essential for microbial proliferation and antisense thereto  
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. Coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
ACCESSION NUMBER: 2003:258355 USPATFULL  
TITLE: Genes essential for microbial proliferation and antisense thereto  
INVENTOR(S): Forsyth, R. Allyn, San Diego, CA, UNITED STATES  
Ohlsen, Kari, San Diego, CA, UNITED STATES  
Zyskind, Judith W., La Jolla, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003181408	A1	20030925
APPLICATION INFO.:	US 2002-287274	A1	20021031 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-711164, filed on 9 Nov 2000, GRANTED, Pat. No. US 6589738		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-164415P	19991109 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	68	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	4685	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 14 USPATFULL on STN  
TI Discrete acyltransferases associated with type I polyketide synthases and methods of use  
AB Genetic and biochemical characterization of the leinamycin biosynthesis gene cluster from *Streptomyces atroolivaceus* S-140 revealed two PKS genes, *lnmI* and *lnmJ*, that encode six PKS modules, none of which contains a cognate AT domain. The AT activity is provided in trans by a discrete protein, *lnmG*, which loads the malonyl coenzyme A extender unit onto the ACP domains of all six PKS modules. This finding provides a basis for methods of engineering modular polyketide synthases and polyketide synthase/nonribosomal peptide synthetases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:251102 USPATFULL  
TITLE: Discrete acyltransferases associated with type I polyketide synthases and methods of use  
INVENTOR(S): Shen, Ben, Verona, WI, UNITED STATES  
Cheng, Yi-Qiang, Madison, WI, UNITED STATES  
Tang, Gong-Li, Madison, WI, UNITED STATES  
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003175888	A1	20030918
	US 7153667	B2	20061226
APPLICATION INFO.:	US 2002-314657	A1	20021209 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2002-US8937, filed on 22 Mar 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-278935P	20010326 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GODFREY & KAHN, S.C., 780 N. WATER STREET, MILWAUKEE, WI, 53202	
NUMBER OF CLAIMS:	42	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Page(s)	
LINE COUNT:	11833	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 14 USPATFULL on STN  
TI Use of ectoenzymes and secreted enzymes to monitor cellular proliferation  
AB The present invention relates to methods of measuring cellular proliferation using ectoenzymes such as membrane-bound chitinase (N,N'-diacetylchitinase) and nucleic acids for use in such methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:246819 USPATFULL  
TITLE: Use of ectoenzymes and secreted enzymes to monitor cellular proliferation  
INVENTOR(S): Zyskind, Judith W., La Jolla, CA, United States  
PATENT ASSIGNEE(S): Elitra Pharmaceuticals, Inc., San Diego, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
-----	-----	-----

PATENT INFORMATION: US 6620585 B1 20030916  
 APPLICATION INFO.: US 2000-630929 20000802 (9)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: GRANTED  
 PRIMARY EXAMINER: LeGuyader, John L.  
 ASSISTANT EXAMINER: Schultz, James Douglas  
 LEGAL REPRESENTATIVE: Knobbe, Martens, Olson & Bear, LLP  
 NUMBER OF CLAIMS: 28  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 12 Drawing Figure(s); 11 Drawing Page(s)  
 LINE COUNT: 3807  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 14 USPATFULL on SIN  
 TI Genes and proteins for the biosynthesis of polyketides  
 AB Genes and proteins involved in the biosynthesis of polyketides by microorganisms, including the genes and proteins forming the biosynthetic loci for the polyketide dorrigocin from Streptomyces platensis subsp. rosaceus and the polyketide lactimidomycin from Streptomyces amphibiosporus. The genes and proteins allow direct manipulation of dorrigocin, lactimidomycin and related chemical structures via chemical engineering of the enzymes involved in the biosynthesis of dorrigocin and lactimidomycin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:245148 USPATFULL  
 TITLE: Genes and proteins for the biosynthesis of polyketides  
 INVENTOR(S): Farnet, Chris M., Outremont, CANADA  
 Zazopoulos, Emmanuel, Montreal, CANADA  
 Staffa, Alfredo, Saint-Laurent, CANADA  
 Yang, Xianshu, Montreal, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003171562	A1	20030911
APPLICATION INFO.:	US 2002-132134	A1	20020426 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-286346P	20010426 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Yve J. Looper, ECOPIA BIOSCIENCES INC., 7290 Frederick-Banting, Saint-Laurent, QC, H4S 2A1	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	27 Drawing Page(s)	
LINE COUNT:	10530	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L6 ANSWER 9 OF 14 USPATFULL on SIN  
 TI Stabilized nucleic acids in gene and drug discovery and methods of use  
 AB Stabilized nucleic acids for use in gene and drug discovery are disclosed. Vectors and host cells useful in the production of stabilized nucleic acids are also disclosed. Cell-based assays which employ stabilized antisense nucleic acids to identify and develop antibiotics and to identify genes required for proliferation are described. The use of stabilized nucleic acids to identify homologous nucleic acids required for the proliferation of heterologous organisms is also described. Inhibition of the expression of genes required for proliferation in heterologous organisms through the use of stabilized

antisense nucleic acids is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:244285 USPATFULL  
TITLE: Stabilized nucleic acids in gene and drug discovery and  
methods of use  
INVENTOR(S): Wall, Daniel, San Diego, CA, UNITED STATES  
Froelich, Jamie, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003170694	A1	20030911
APPLICATION INFO.:	US 2002-327592	A1	20021220 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-343512P	20011221 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Page(s)	
LINE COUNT:	5963	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 14 USPATFULL on STN

TI Genes essential for microbial proliferation and antisense thereto  
AB The sequences of nucleic acids encoding proteins required for E. Coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. Coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:183969 USPATFULL  
TITLE: Genes essential for microbial proliferation and  
antisense thereto  
INVENTOR(S): Forsyth, R. Allyn, San Diego, CA, United States  
Ohlsen, Kari, San Diego, CA, United States  
Zyskind, Judith W., La Jolla, CA, United States  
PATENT ASSIGNEE(S): Elitra Pharmaceuticals, Inc., San Diego, CA, United  
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6589738	B1	20030708
APPLICATION INFO.:	US 2000-711164		20001109 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-164415P	19991109 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: GRANTED  
 PRIMARY EXAMINER: Jones, W. Gary  
 ASSISTANT EXAMINER: Taylor, Janell E.  
 LEGAL REPRESENTATIVE: Knobbe, Martens, Olson & Bear LLP  
 NUMBER OF CLAIMS: 12  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 4 Drawing Figure(s); 3 Drawing Page(s)  
 LINE COUNT: 4292  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 14 USPATFULL ON STN

TI Identification of essential genes in prokaryotes  
 AB The sequences of antisense nucleic acids which inhibit the proliferation of prokaryotes are disclosed. Cell-based assays which employ the antisense nucleic acids to identify and develop antibiotics are also disclosed. The antisense nucleic acids can also be used to identify proteins required for proliferation, express these proteins or portions thereof, obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous nucleic acids that are required for proliferation in cells other than *Staphylococcus aureus*, *Salmonella typhimurium*, *Klebsiella pneumoniae*, and *Pseudomonas aeruginosa*. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:119586 USPATFULL  
 TITLE: Identification of essential genes in prokaryotes  
 INVENTOR(S): Haselbeck, Robert, San Diego, CA, UNITED STATES  
 Ohlsen, Kari L., San Diego, CA, UNITED STATES  
 Zyskind, Judith W., La Jolla, CA, UNITED STATES  
 Wall, Daniel, San Diego, CA, UNITED STATES  
 Trawick, John D., La Mesa, CA, UNITED STATES  
 Carr, Grant J., Escondido, CA, UNITED STATES  
 Yamamoto, Robert T., San Diego, CA, UNITED STATES  
 Xu, H. Howard, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002061569	A1	20020523
APPLICATION INFO.:	US 2001-815242	A1	20010321 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-191078P	20000321 (60)
	US 2000-206848P	20000523 (60)
	US 2000-207727P	20000526 (60)
	US 2000-242578P	20001023 (60)
	US 2000-253625P	20001127 (60)
	US 2000-257931P	20001222 (60)
	US 2001-269308P	20010216 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660  
 NUMBER OF CLAIMS: 44  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 4 Drawing Page(s)  
 LINE COUNT: 30870

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 14 USPATFULL ON STN  
TI Control of leaf scald disease  
AB A method of substantially reducing or inhibiting the development of leaf scald disease in a plant or stalk thereof, said method comprising the step of administering an albicidin detoxification enzyme to the plant or stalk thereof.

There is also provided a method of generating a transgenic plant substantially resistant to albicidin and leaf scald disease including the steps of introducing and expressing a nucleotide sequence encoding albicidin detoxification enzyme into a plant, plant part or plant cell, and growing the plant, plant part or plant cell to generate the transgenic plant.

There is further provided a method of substantially reducing or inhibiting the development of leaf scald disease in a plant or stalk thereof, said method comprising the step of administering to the plant or stalk thereof a bacterium which extracellularly produces albicidin detoxification enzyme.

There is further provided an isolated albicidin detoxification enzyme capable of irreversibly inactivating albicidin as well as an isolated nucleotide sequence encoding an albicidin detoxification enzyme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:109253 USPATFULL  
TITLE: Control of leaf scald disease  
INVENTOR(S): Birch, Robert, Jindalee, AUSTRALIA  
Zhang, Lianhui, North Balwyn, AUSTRALIA  
PATENT ASSIGNEE(S): The University of Queensland, Queensland, AUSTRALIA  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6388175	B1	20020514
	WO 9709417		19970313
APPLICATION INFO.:	US 1998-29785		19980309 (9)
	WO 1996-AU554		19960906
			19980309 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	AU 1995-5278	19950907
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Fox, David T.	
ASSISTANT EXAMINER:	Mehta, Ashwin D.	
LEGAL REPRESENTATIVE:	Akin, Gump, Strauss, Hauer & Feld, L.L.P.	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 19 Drawing Page(s)	
LINE COUNT:	1710	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 14 USPATFULL ON STN  
TI Genes identified as required for proliferation in escherichia coli  
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express

proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than *E. coli*. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:85550 USPATFULL  
 TITLE: Genes identified as required for proliferation in *Escherichia coli*  
 INVENTOR(S): Zyskind, Judith, La Jolla, CA, UNITED STATES  
 Ohlsen, Kari L., San Diego, CA, UNITED STATES  
 Trawick, John, La Mesa, CA, UNITED STATES  
 Forsyth, R. Allyn, San Diego, CA, UNITED STATES  
 Froelich, Jamie M., San Diego, CA, UNITED STATES  
 Carr, Grant J., Escondido, CA, UNITED STATES  
 Yamamoto, Robert T., San Diego, CA, UNITED STATES  
 Xu, H. Howard, San Diego, CA, UNITED STATES  
 PATENT ASSIGNEE(S): ELITRA PHARMACEUTICALS, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002045592	A1	20020418
APPLICATION INFO.:	US 2001-912020	A1	20010723 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-492709, filed on 27 Jan 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-117405P	19990127 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	4246	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 14 USPATFULL ON STN

TI Genes identified as required for proliferation of *E. coli*  
 AB The sequences of nucleic acids encoding proteins required for *E. coli* proliferation are disclosed. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than *E. coli*. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids of the present invention can also be used in various assay systems to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:37998 USPATFULL

TITLE: Genes identified as required for proliferation of E. coli  
INVENTOR(S): Forsyth, R. Allyn, San Diego, CA, UNITED STATES  
Ohlsen, Kari L., San Diego, CA, UNITED STATES  
Zyskind, Judith W., La Jolla, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002022718	A1	20020221
APPLICATION INFO.:	US 2000-741669	A1	20001219 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-173005P	19991223 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660	
NUMBER OF CLAIMS:	131	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	5270	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

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